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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/581,453	02/02/2007	Masaetsu Takahashi	R21840502P502	2180

24998 7590 03/15/2011
DICKSTEIN SHAPIRO LLP
1825 EYE STREET NW
Washington, DC 20006-5403

EXAMINER

LO, KENNETH M

ART UNIT	PAPER NUMBER
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2189

MAIL DATE	DELIVERY MODE
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03/15/2011

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/581,453	Applicant(s) TAKAHASHI, MASAETSU	
	Examiner KENNETH M. LO	Art Unit 2189	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 June 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>02/24/2011</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Status of Claims

1. Claims 1-6, 8-10, 12-18 are pending in the Application.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 06/25/2010 has been entered.

Response to Amendment

3. The Amendments as follows are accepted:

Arguments filed 06/25/2010 have been accepted for examination purposes.

Information Disclosure Statement

4. As required by **M.P.E.P 609(C)**, the applicant's submissions of the Information Disclosure Statements dated 02/24/2011 are acknowledged by the examiner and the cited reference have been considered in the examination of the claims now pending. As

required by **M.P.E.P 609 C(2)**, a copy of the PTOL-1449 initialed and dated by the examiner is attached to the instant office action.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1, 3-6, 8-11, 13-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Dieleman et al [hereinafter Dieleman] (United States Patent 5,341,356)

As per Claim 1, 3, 6, 8, 11, 13, Dieleman discloses, “a data extraction part configured to extract data from user data recorded in a user data area of a recording area of an information recording medium and to store the extracted data” [**“The files having been recorded in the program area, at step S125 of FIG. 12, the Table of Contents for the newly recorded information volume is assembled and, subsequently, during the execution of step S126, recorded in the lead-in area of that information volume. Subsequently, in step S127, the lead-out signal is recorded in the lead-out area LO of the information volume concerned, while the control information corresponding to the contents of the Tables of Contents stored in the memory as well as the newly assembled Table of Contents are applied to the subcode input of the EFM modulator 77.” (Col 9, line 60 to Col 10 line 10)**]
“a data creation part configured to create data accompanying the user data

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from the stored extracted data” [**“he lead-out signal generating unit comprises a unit for inserting control information for controlling the reading operation of the recorded information in the lead-out signal.” (Col 2, lines 5-15)**] “a recording part configured to record the created data accompanying the user data in a Lead-Out area disposed outside the user data area” [**“Furthermore, the control program also includes a subprogram that supplies control information to the signal generator 6 over the bus 7 for recording in the lead-out signal. This control information may contain a Table of Contents denoting all the addresses of the files in the already recorded information volumes.” (Col 4, lines 35-60)**]

As per Claim 4, 9, 14, Dieleman discloses, “characterized in that said index information recording part is configured to record the index information generated by said index information generating part in the Lead-Out area disposed outside the user data area to record the user data of the recording area of the information recording medium at a time after Said content data recording part completes the recording of the content data in the information recording medium” [**“Furthermore, the control program also includes a subprogram that supplies control information to the signal generator 6 over the bus 7 for recording in the lead-out signal. This control information may contain a Table of Contents denoting all the addresses of the files in the already recorded information volumes.” (Col 4, lines 35-60)**]

As per Claim 5, 10, 15, Dieleman discloses, “characterized in that said index information recording means part is configured to successively record successively records the index information generated by said index information generating part in the Lead-Out area disposed outside the user data area to record the user data of the recording area of the information recording medium during the recording of the content data in the information recording medium by said content data recording part”

[“Furthermore, the control program also includes a subprogram that supplies control information to the signal generator 6 over the bus 7 for recording in the lead-out signal. This control information may contain a Table of Contents denoting all the addresses of the files in the already recorded information volumes.” (Col 4, lines 35-60)]

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 2, 7, 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dieleman et al [hereinafter Dieleman] (United States Patent 5,341,356) in view of Ko et al [hereinafter Ko] (United States Patent US 6,765,853).

As per Claim 2, 7, 12, Dieleman discloses, “The information recorder as claimed in claim 1[6]” **[See rejection above]**, but fails to explicitly show, “characterized in that said recording part part includes a part configured to record a same attribute as an attribute of the user data area as an attribute of the Lead-Out area disposed outside the user data area”

Ko discloses, “characterized in that said recording part part includes a part configured to record a same attribute as an attribute of the user data area as an attribute of the Lead-Out area disposed outside the user data area” **[“Also, a computer operating system adopts various attributes, e.g., read-only and write protection, which is capable of preventing an arbitrary change in written data using attributes of a file that stores the data.” (Col 2, lines 20-30) “A total of four defect management areas DMA 1, DMA 2, DMA 3 and DMA 4 are present in the Lead-in area and the Lead-out area of a disc, wherein DMA 1 and DMA 2 exist in the Lead-in area and DMA 3 and DMA 4 exist in the Lead-out area, and identical information relating to disc defects and initialization of the disc is stored in each area.” (Col 5, line 5-15)] “FIGS. 4A and 4B are examples of the data structures of a disc certification flag and a group certification flag of the disc definition structure (DDS) area of the defect management area (DMA) that stores write protection information according to the present invention.” (Col 5, line 35-45)]**

Dieleman and Ko are analogous arts as they are both from the same field of endeavor of computer optical storage systems.

At the time of the invention it would have been obvious to a person of ordinary skill in the art to modify the system of Dieleman to utilize the write attribute storing function within the lead-out area from disclosure of Ko. The motivation to combine these two arts is disclosed by Ko as "To achieve the fourth object of the present invention, there is provided a write protection apparatus, wherein data recorded on a recordable or reproducible recording medium including a Lead-in area, a Lead-out area and a user data area is protected from unwanted overwriting or erasing, the apparatus including a controller or recorder to check write-protection information stored on the recording medium; and prohibit writing of data on the recording medium according to the write protection information." (Col 3, lines 20-35)

Response to Arguments

9. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Okabe et al - United State Patent 6,018,506

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KENNETH M. LO whose telephone number is (571)272-9774. The examiner can normally be reached on Mon - Thu (7:30am - 6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bragdon Reginald can be reached on 571-272-4204. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kenneth M Lo/
Examiner, Art Unit 2189